

# Inlet Databases

## Inlet Navigation Projects and Structures Database



<http://cirp.wes.army.mil/cirp/structdb/structdbinfo.html>

Contains more than 1,230 individual records of navigation structures and tidal inlets located around the coastline of United States and its territories.

Includes:

- Geographic Information

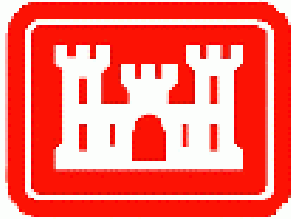
- Inlet/structure name, state and coast. Responsible COE District

- Structure Parameters

- Date built, structure length, crown elevation and width, core elevation, side slopes, jetty offset, etc...

- Inlet Parameters

- Project width and depth, tidal prism, throat cross-sectional area, bay surface area, ebb shoal volume, tide ranges, etc...



# Inlet Databases

## Federal Inlet and Entrances Database

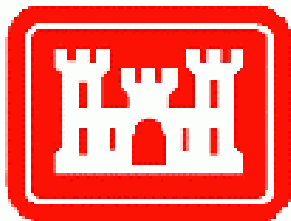


<http://cirp.wes.army.mil/cirp/inletsdb/inletsdbinfo.html>

Contains information on 154 Federal inlets and entrances maintained by USACE District and Division offices.

Each record contains the following fields:

- Location and jurisdiction
- Inlet geometry parameters
- Wave and tide characteristics
- Inlet/River discharge
- Previously documented tidal prisms and cross-sections
- Representative littoral drift estimate
- Representative maintenance dredging



# Inlet Databases

## Inlet Navigation Projects and Structures Database



### Example: Humboldt Harbor and Bay

Database of Navigation Projects and Structures - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links Links Ebay ESPN.com weather.com weather.com - Local Weather Page Point Forecast

Back Forward Stop Search Favorites Media Google Search Web

Address http://cirp.wes.army.mil/cirp/structdb/structdb.php?alpha=H%25

**Coastal Inlets Research Program**  
**Database of Navigation Projects and Structures**

[\[ Return to Introduction Page | Custom Database Query \]](#)

**Rapid Selection** **A B C D E F G H I J K L M**

Click a letter to list all records beginning with that letter.  
**N O P Q R S T U V W X Y Z**

**Detailed Selection**

Select By: ☒ Coastal State: All States  
Or By: ☐ Corps Office: All Districts/Divisions

Sort By: Name Submit Query Hint: Sort by "No. of Photographs" to see which inlets have photographs

Selected:

Sorted by: []

Links showing icon have photos available

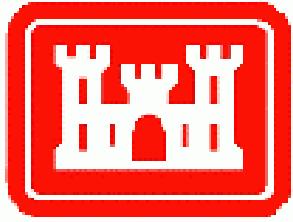
Haines Harbor (bwr), AK, [0.0]  
Halewa Small Boat Harbor (east stub bwr), HI, [0.0]  
Halewa Small Boat Harbor (reveted mole), HI, [0.0]  
Halewa Small Boat Harbor (wave absorber), HI, [0.0]  
Halewa Small Boat Harbor (west stub bwr), HI, [0.0]  
Halfmoon Bay (east bwr), CA, [0.0]  
Halfmoon Bay (west bwr), CA, [0.0]  
Hammond Bay Harbor (east bwr), MI, [0.0]  
Hammond Bay Harbor (west bwr), MI, [0.0]  
Hampton Harbor (north jetty), NH, [0.0]  
Hampton Harbor (south jetty), NH, [0.0]  
Harbor Beach (main bwr), MI, [0.0]  
Harbor Beach (north bwr), MI, [0.0]  
Harbor Beach (south bwr), MI, [0.0]

Name: **Humboldt Harbor and Bay (south jetty)**  
State: CA  
Corps Office: SPN  
Coast: PAC  
Link to 28 Photograph(s): [Click here](#)  
Upload an Image: [Click here](#)  
Record ID: 1045

**Structure Parameters:**  
Year: 1889  
Length (m): 1554.5  
Type: rock rubble  
Crown Elevation (m): 4.88  
Crown Width (m): 6.10  
Core Elevation (m): 0.00  
Side Slope (deg): 33.7  
Jetty Offset: Yes  
Offset Difference (m): 500.0

**Inlet Parameters:**  
Number of Jetties: 2  
Min. Entrance Width (m): 609.6  
Project Depth (m): 0.00  
Project Width (m): 0.00  
Tidal Prism (m<sup>3</sup>): 124041600.0  
Cross Sectional Area at Throat (m<sup>2</sup>): 7016.7  
Bay Surface Area (m<sup>2</sup>): 52675457  
Ebb Delta Volume (m<sup>3</sup>): 0.0  
Ebb Shoal Volume - new (millions of m<sup>3</sup>): 0  
Date of New Ebb Shoal Measurement:  
Net Transport Rate (m<sup>3</sup>/yr): 0  
Average Yearly Cost 1990-93: 2981048  
Total Cost to 1993: 71655513  
Cubic Meters Dredged in 1993: 0  
Tide Gage Latitude (deg): 40.76  
Tide Gage Longitude (deg): 124.25  
Mean Spring Tide Range (m): 1.88  
C Gage Latitude (deg): 40.75  
C Gage Longitude (deg): 124.23  
Max. Flood Speed (m/s): 0.8231104  
Max. Flood Direction (deg): 124  
Max. Ebb Speed (m/s): 1.028888  
Max. Ebb Direction (deg): 312

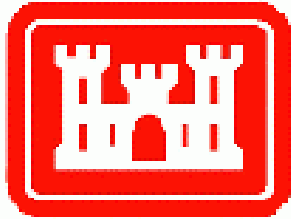
Structure Name : Humboldt Harbor and Bay (south jetty)					
State: CA					
Year	Viewpoint	Film Type	Photo Source	Image Title	Entry Date
Unkn	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Entrance</a>	23 Aug 2001
Unkn	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1941</a>	23 Aug 2001
1971	Overhead	Color	Scanned_Photo	<a href="#">Humboldt Bay, CA 8-15-1971</a>	23 Aug 2001
1971	Overhead	Color	Scanned_Photo	<a href="#">Humboldt Bay, CA 09-03-1971</a>	23 Aug 2001
1969	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1969 Entrance</a>	23 Aug 2001
1969	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1969 Entrance &amp; North Spit</a>	23 Aug 2001
1966	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1966 Interior South Jetty</a>	23 Aug 2001
1966	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1966 Interior Entrance</a>	23 Aug 2001
1962	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1962 Entrance</a>	23 Aug 2001
1962	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1962 Entrance</a>	23 Aug 2001
1958	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1958 Tip of South Jetty</a>	23 Aug 2001
1958	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1958 Entrance</a>	23 Aug 2001
1958	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1958 Entrance</a>	23 Aug 2001
1956	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 09-13-1956</a>	23 Aug 2001
1955	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 06-04-1955</a>	23 Aug 2001
1954	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 07-21-1954</a>	23 Aug 2001
1954	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance, 1954 Entrance</a>	23 Aug 2001
1953	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1953 Entrance &amp; Ebb Jet</a>	23 Aug 2001
1948	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 11-21-1948</a>	23 Aug 2001
1948	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1948 Entrance</a>	23 Aug 2001
1948	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1948 Buhne Spit/Entrance Bay</a>	23 Aug 2001
1942	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1942 South Jetty</a>	23 Aug 2001
1942	Not_Given	Not_Given	Not_Given	<a href="#">Humboldt Bay Entrance 1942 Entrance</a>	23 Aug 2001
1941	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 11-23-1941</a>	23 Aug 2001
1941	Overhead	Black/White	Scanned_Photo	<a href="#">Humboldt Bay, CA 11-22-1941</a>	23 Aug 2001
1940	Overhead	Not_Given	Scanned_Photo	<a href="#">Humboldt Entrance 1940</a>	23 Aug 2001
1939	Overhead	Not_Given	Scanned_Photo	<a href="#">Humboldt Entrance 1939</a>	23 Aug 2001
1934	Overhead	Not_Given	Scanned_Photo	<a href="#">Humboldt Entrance 1934</a>	23 Aug 2001



# Inlet Databases Problems



- Two databases independently developed; need to merge
- Duplicate entries
- Missing, incomplete, and out of date information
- Aerial photograph inventory has increased since development



# Inlet Databases Efforts



FY05

- Consolidate data into a single database
- Improve database structure
- Update and verify attribute data
- Increase photograph inventory
- Improve web interface